Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (Withdrawn) A method of detecting the presence of one or more analytes (I_1C_A, . . ., I_nC_A) in a sample, the method comprising:

a) contacting a sample with a set of binding immunoreaction component-pairing component member complexes (I_1C_B-P_1, . . ., I_nC_B-P_x), wherein the set comprises at least one binding immunoreaction component-pairing component member complex for each analyte to be detected, producing immunoreaction complexes (I_1C_A-I_1C_B-P_1, . . ., I_nC_A-I_nC_B-P_x)of the analytes in the sample and their respective binding immunoreaction component-first pairing component member complexes;

b) contacting the complexes formed in step (a) with an active electronic matrix, wherein the active electronic matrix comprises at least one set of test sites, wherein the set comprises at least one test site comprising a complementary pairing component member attached the test site's permeation layer for each pairing component member of in the set of binding immunoreaction component-pairing component member complexes of step (a);

c) electronically biasing, concurrently or sequentially, the set of test sites to which the complementary pairing components are attached, whereby the pairing component members on the immunoreaction complexes and on the test sites are allowed to bind, producing a bound immunoreaction complexes at the biased test sites;

d) detecting the presence of the bound immunoreaction complexes at the test sites.

2. (Withdrawn) The method of claim 1 wherein at least one analyte is an epitope bearing moiety.

3. (Withdrawn) The method of claim 1 wherein at least one analyte is a moiety selected from the group consisting of: immunoglobulins, recombinant immunoglobulins, single-stranded engineered immunoglobulins humanized immunoglobulins, hybridized

immunoglobulins, immunoglobulin derivatives, and immunoglobulin fragments.

4. (Withdrawn) The method of claim 1 wherein at least one binding immunoreaction component in the set of binding immunoreaction component-pairing component member complexes is an epitope bearing moiety.

5. (Withdrawn) The method of claim 1 wherein at least one binding immunoreaction component in the set of binding immunoreaction component-pairing component member complexes is a moiety selected from the group consisting of: immunoglobulins, recombinant immunoglobulins, single-stranded engineered immunoglobulins humanized immunoglobulins, hybridized immunoglobulins, immunoglobulin derivatives, and immunoglobulin fragments.

6. (Withdrawn) The method of claim 1 wherein at least one of the pairing components is p-RNA.

7. (Withdrawn) The method of claim 1 wherein at least one of the pairing components is CNA.

8. (Withdrawn) The method of claim 1 wherein at least one of the pairing components is DNA.

9. (Withdrawn) The method of claim 1 wherein at least one of the pairing components is RNA.

10. (Withdrawn) The method of claim 1 wherein at least one of the binding immunoreaction components is attached to its respective pairing component member through a covalent bond.

11. (Withdrawn) The method of claim 1 wherein at least one of the binding immunoreaction components is attached to its respective pairing component member through a non-covalent interaction.

12. (Withdrawn) The method of claim 11 wherein the non-covalent interaction is selected from the group consisting of a biotin-streptavidin interaction and a biotin-avidin interaction.

13. (Withdrawn) The method of claim 1 wherein at least one complementary pairing component member is attached to its test site through a covalent bond to the permeation layer.

14. (Withdrawn) The method of claim 1 wherein at least one complementary pairing

component member is attached to the test site through a non-covalent interaction with a moiety in the permeation layer.

15. (Withdrawn) The method of claim 14 wherein the non-covalent interaction is selected from the group consisting of a biotin-streptavidin interaction and a biotin-avidin interaction.

16. (Withdrawn) The method of claim 1 wherein one analyte (I_1C_A) is detected.

17. (Withdrawn) The method of claim 1 wherein at least two analytes (I_1C_A, I_2C_A) are detected.

18. (Withdrawn) The method of claim 1 wherein at least three analytes (I_1C_A, I_2C_A, I_3C_A) are detected.

19. (Withdrawn) The method of claim 1 wherein at least four analytes (I_1C_A, I_2C_A, I_3C_A, I_4C_A) are detected.

20. (Withdrawn) The method of claim 1 wherein at least five analytes (I_1C_A, I_2C_A, I_3C_A, I_4C_A, I_5C_A) are detected.

21. (Withdrawn) The method of claim 1 wherein the active electronic matrix array comprises at least a second set of test sites, wherein each set comprises at least one test site comprising a complementary pairing component member attached the test site's permeation layer for each pairing component member of in the set of binding immunoreaction component-pairing component member complexes of step (a), wherein the second set of test sites is not electronically biased in step (c).

22. (Withdrawn) The method of claim 21 further comprising repeating steps (a) through (c) with at least one additional sample, wherein in step (c) of each repeat cycle, for each sample, a set of test sites which was not biased during step (c) for any of the other samples is biased so that the pairing component members on the immunoreaction complexes and on the biased test site are allowed to bind, producing bound immunoreaction complexes on the biased test sites for that sample.

23. (Withdrawn) The method of claim 22 wherein two additional samples are processed so as to produce bound immunoreaction complexes for each sample.

24. (Withdrawn) The method of claim 22 wherein three additional samples are processed so as to produce bound immunoreaction complexes for each sample.

25. (Withdrawn) The method of claim 22 wherein four additional samples are processed so as to produce bound immunoreaction complexes for each sample.

26. (Withdrawn) The method of claim 22 wherein at least nine additional samples are processed so as to produce bound immunoreaction complexes for each sample.

27. (Withdrawn) The method of claim 1 further comprising contacting the sample with at least one labeled analyte standard, wherein the labeled analyte standard comprises a detectable moiety and a moiety selected from the group consisting of the analyte and an immunochemical analog of the analyte, wherein the detection of the presence of the bound immunoreaction complex containing the analyte in step (d) is by detecting the decrease in the amount of the immunoreaction complex containing the labeled analyte standard bound at the test site.

28. (Withdrawn) The method of claim 27 wherein the labeled analyte standard comprises the analyte.

29. (Withdrawn) The method of claim 27 wherein the analyte is an antibody, and the labeled analyte standard comprises an analog of the analyte comprising an isoidiotypic binding site, wherein the analyte analog is selected from the group consisting of: immunoglobulins, recombinant immunoglobulins, single-stranded engineered immunoglobulins humanized immunoglobulins, hybridized immunoglobulins, immunoglobulin derivatives, and immunoglobulin fragments.

30. (Withdrawn) The method of claim 27 wherein the analyte is an antigen, and the labeled analyte standard comprises an analog of the analyte comprising a structural domain selected from the group consisting of: an epitope of the antigen recognized by the binding immunoreaction component which binds the analyte, and a structural moiety which is anti-idiotypic to the binding site of the binding immunoreaction component which binds the analyte.

31. (Withdrawn) The method of claim 27 wherein the labeled analyte standard comprises a detectable moiety selected from the group consisting of: fluorophores, chromophores, biotin, avidin, streptavidin, chemiluminescent agents, enzymes, gold particles, magnetic beads, metal chelates, radioisotopes, other antibodies, and nanoparticles.

32. (Withdrawn) The method of claim 27 wherein the labeled analyte standard comprises a fluorophore selected from the group consisting of: $BODIPY_{630/650}$ X-SE, Texas Red

X-SE, or BODIPY TRX-SE, Cy-dyes, fluorescein, rhodamine, phycoerythrin, Lissamine, and coumarin.

33. (Withdrawn) The method of claim 1 further comprising allowing one or more labeling immunoreaction components to bind to one or more of the analytes to be detected, wherein at least one of the labeling immunoreaction components comprises a detectable moiety, and wherein the detection of the presence of bound immunoreaction complexes at the test sites in step (d) is by the detection of the labeling immunoreaction components bound to the analytes in the bound immunoreaction complexes.

34. (Withdrawn) The method of claim 33 wherein at least one of the labeling immunoreaction components comprises a moiety selected from the group consisting of: immunoglobulins, recombinant immunoglobulins, single-stranded engineered immunoglobulins humanized immunoglobulins, hybridized immunoglobulins, immunoglobulin derivatives, and immunoglobulin fragments.

35. (Withdrawn) The method of claim 33 wherein at least one of the labeling immunoreaction components comprises a moiety selected from the group consisting of biotin, avidin, and streptavidin.

36. (Withdrawn) The method of claim 33 wherein at least one of the labeling immunoreaction components comprises a detectable moiety fluorophores, chromophores, biotin, avidin, streptavidin, chemiluminescent agents, enzymes, gold particles, magnetic beads, metal chelates, radioisotopes, other antibodies, and nanoparticles.

37. (Withdrawn) The method of claim 33 wherein at least one of the labeling immunoreaction components comprises a fluorophore selected from the group consisting of: $BODIPY_{630/650}$ X-SE, Texas Red X-SE, or BODIPY TRX-SE, Cy-dyes, fluorescein, rhodamine, phycoerythrin, Lissamine, and coumarin.

38. (Withdrawn) The method of claim 33 wherein at least one of the labeling immunoreaction components binds to more than one analyte in the sample.

39. (Withdrawn) The method of claim 33 wherein at least one of the labeling immunoreaction components is a dye with an affinity for one or more of the analytes to be detected greater than its affinity for any other component of the immunoreaction complex or the permeation layer of the active electronic matrix.

40. (Withdrawn) The method of claim 33 wherein at least one of the labeling immunoreaction components is contacted with the sample in step (a).

41. (Withdrawn) The method of claim 33 wherein at least one of the labeling immunoreaction components is contacted with the immobilized immunoreaction complexes produced in step (c).

42. (Withdrawn) The method of claim 41 further comprising electronically biasing one or more sites containing immobilized immunoreaction complexes while contacting the at least one labeling immunoreaction component with the immobilized immunoreaction complexes.

43. (Withdrawn) A method for detecting one or more analytes (I_1C_A, . . ., I_nC_A) in a sample, the method comprising:

a) contacting with an active electronic matrix array, either concurrently or sequentially, a set of binding immunoreaction component-pairing component member complexes (I_1C_B-P_1, . . ., I_nC_B-P_x), the set comprising a binding immunoreaction component-pairing component member complex for each analyte to be detected, wherein the active electronic matrix array comprises at least one set of test sites, the set consisting of at least one test site comprising a complementary pairing component member for each binding immunoreaction component-pairing component member complex;

b) electronically biasing, either concurrently or sequentially, each test site to which one of the binding immunoreaction component-pairing component member complexes is to be attached, so that the pairing component members are allowed to selectively bind, thus producing a set of attached binding immunoreaction component-pairing component member complexes (I_1C_B-P_1-P_1', . . .,I_nC_B-P_x-P_x') bound to the set of test sites;

c) contacting the sample with the active electronic matrix array, and incubating the sample with the array under conditions suitable for the binding of the analytes in the sample with the immobilized binding immunoreaction components, thereby producing immobilized immunoreaction complexes at one or more test sites;

d) detecting the presence of bound analyte in the immobilized immunoreaction complexes at the test sites.

44. (Withdrawn) The method of claim 43 wherein one or more analyte is an epitope bearing moiety.

45. (Withdrawn) The method of claim 43 wherein one or more analyte is a moiety selected from the group consisting of: immunoglobulins, recombinant immunoglobulins, single-stranded engineered immunoglobulins humanized immunoglobulins, hybridized immunoglobulins, immunoglobulin derivatives, and immunoglobulin fragments.

46. (Withdrawn) The method of claim 43 wherein one or more binding immunoreaction component in the set of binding immunoreaction component-pairing component member complexes is an epitope bearing moiety.

47. (Withdrawn) The method of claim 43 wherein one or more binding immunoreaction component in the set of binding immunoreaction component-pairing component member complexes is an epitope bearing moiety is a moiety selected from the group consisting of: immunoglobulins, recombinant immunoglobulins, single-stranded engineered immunoglobulins humanized immunoglobulins, hybridized immunoglobulins, immunoglobulin derivatives, and immunoglobulin fragments.

48. (Withdrawn) The method of claim 43 wherein at least one pairing component is p-RNA.

49. (Withdrawn) The method of claim 43 wherein at least one pairing component is CNA.

50. (Withdrawn) The method of claim 43 wherein at least one pairing component is DNA.

51. (Withdrawn) The method of claim 43 wherein at least one pairing component is RNA.

52. (Withdrawn) The method of claim 43 wherein at least one of the binding immunoreaction components is attached to its respective pairing component member through a covalent bond.

53. (Withdrawn) The method of claim 430 wherein at least one of the binding immunoreaction components is attached to its respective pairing component member through a non-covalent interaction.

54. (Withdrawn) The method of claim 53 wherein the non-covalent interaction is selected from the group consisting of a biotin-streptavidin interaction and a biotin-avidin interaction.

55. (Withdrawn) The method of claim 43 wherein each complementary pairing component member is attached to its respective test site through a covalent bond to the permeation layer.

56. (Withdrawn) The method of claim 43 wherein each complementary pairing component member is attached to the test site through a non-covalent interaction with a moiety in the permeation layer.

57. (Withdrawn) The method of claim 56 wherein the non-covalent interaction is selected from the group consisting of a biotin-streptavidin interaction and a biotin-avidin interaction.

58. (Withdrawn) The method of claim 43 wherein one analyte (I_1C_A) is detected.

59. (Withdrawn) The method of claim 43 wherein at least two analytes (I_1C_A, I_2C_A) are detected.

60. (Withdrawn) The method of claim 43 wherein at least three analytes (I_1C_A, I_2C_A, I_3C_A) are detected.

61. (Withdrawn) The method of claim 43 wherein at least four analytes (I_1C_A, I_2C_A, I_3C_A, I_4C_A) are detected.

62. (Withdrawn) The method of claim 43 wherein at least five analytes (I_1C_A, I_2C_A, I_3C_A, I_4C_A, I_5C_A) are detected.

63. (Withdrawn) The method of claim 43 wherein at least ten analytes (I_1C_A, . . ., $I_{10}C_A$) are detected.

64. (Withdrawn) The method of claim 43 wherein the set of binding immunoreaction component-pairing component member complexes is contacted with the active electronic matrix array concurrently, wherein all test sites to which the binding immunoreaction component-pairing component member complexes of the set are to be bound are electronically biased concurrently, and wherein each immobilized binding immunoreaction component is immobilized with a different pairing component.

65. (Withdrawn) The method of claim 43 wherein at least some of the set of binding

immunoreaction component-pairing component member complexes are contacted with the active electronic matrix array sequentially, wherein at least some of test sites to which the binding immunoreaction component-pairing component member complexes of the set are to be bound are electronically biased sequentially, and wherein each immobilized binding immunoreaction component is immobilized with a different pairing component.

66. (Withdrawn) The method of claim 43 wherein at least some of the set of binding immunoreaction component-pairing component member complexes are contacted with the active electronic matrix array sequentially, wherein at least some of the test sites to which the binding immunoreaction component-pairing component member complexes of the set are to be bound are electronically biased sequentially, and wherein two or more immobilized binding immunoreaction component are immobilized with the same pairing component.

67. (Withdrawn) The method of claim 43 wherein the active electronic matrix array comprises at least two sets of test sites, each set comprising at least one test site comprising a complementary pairing component member for each binding immunoreaction component-pairing component member complex, and wherein in step (b) at least two sets of attached binding immunoreaction component-pairing component member complexes (I_nC_B-P_x-P_x') bound to each set of test sites are created.

68. (Withdrawn) The method of claim 43 wherein the sample is incubated with the active matrix array without electronic biasing of any of the test sites on the array.

69. (Withdrawn) The method of claim 43 wherein the sample is incubated with the active matrix array while electronic biasing one or more of the test sites on the array.

70. (Withdrawn) The method of claim 69 further comprising the incubation of at least second sample containing analytes with the active electronic matrix array after incubating the first sample with the active electronic matrix array, wherein a first set of test sites comprising a first set of attached binding immunoreaction component-pairing component member complexes is electronically biased during the incubation of the first sample with the array, and a separate set of test sites comprising another set of attached binding immunoreaction component-pairing component member complexes is electronically biased during the incubation of the each subsequent sample with the array.

71. (Withdrawn) The method of claim 43 further comprising contacting the active

matrix array with a labeled analyte standard for at least one of the analytes to be detected, wherein each labeled analyte standard comprises a detectable moiety and a moiety selected from the group consisting of the corresponding analyte and an immunochemical analog of the corresponding analyte, wherein the detection of the presence of bound analyte in the immobilized immunoreaction complexes at the test sites in step (d) is by detecting the decrease in the amount of bound labeled analyte standard in the immobilized immunoreaction complexes at the test sites.

72. (Withdrawn) The method of claim 71 wherein the labeled analyte standard comprises the analyte.

73. (Withdrawn) The method of claim 71 wherein the analyte is an antibody, and the labeled analyte standard comprises an analyte analog comprising an isoidiotypic binding site, wherein the analyte analog is selected from the group consisting of: immunoglobulins, recombinant immunoglobulins, single-stranded engineered immunoglobulins humanized immunoglobulins, hybridized immunoglobulins, immunoglobulin derivatives, and immunoglobulin fragments.

74. (Withdrawn) The method of claim 71 wherein the analyte is an antigen, and the labeled analyte standard comprises an analyte analog comprising a structural domain selected from the group consisting of an epitope of the antigen recognized by the binding immunoreaction component which binds the analyte and a structural moiety which is anti-idiotypic to the binding site of the binding immunoreaction component which binds the analyte.

75. (Withdrawn) The method of claim 71 wherein the labeled analyte standard comprises a detectable moiety selected from the group consisting of: fluorophores, chromophores, biotin, avidin, streptavidin, chemiluminescent agents, enzymes, gold particles, magnetic beads, metal chelates, radioisotopes, other antibodies, and nanoparticles.

76. (Withdrawn) The method of claim 71 wherein the labeled analyte standard comprises a fluorophore selected from the group consisting of: $BODIPY_{630/650}$ X-SE, Texas Red X-SE, or BODIPY TRX-SE, Cy-dyes, fluorescein, rhodamine, phycoerythrin, Lissamine, and coumarin.

77. (Withdrawn) The method of claim 71 wherein the labeled analyte standard is contacted with the active matrix array before the sample is incubated with the active electronic

matrix array in step (c).

78. (Withdrawn) The method of claim 71 wherein the labeled analyte standard is contacted with the active matrix array after the sample is incubated with the active electronic matrix array in step (c).

79. (Withdrawn) The method of claim 71 wherein the labeled analyte standard is contacted with the active matrix array while the sample is incubated with the active electronic matrix array in step (c).

80. (Withdrawn) The method of claim 71 wherein the labeled analyte standard is contacted with the active matrix without electronic biasing of any of the test sites on the array.

81. (Withdrawn) The method of claim 71 wherein the labeled analyte standard is contacted with the active matrix while electronically biasing one or more of the test sites on the array.

82. (Withdrawn) The method of claim 43 further comprising allowing one or more labeling immunoreaction components to bind to one or more of the analytes, wherein at least one of the labeling immunoreaction components comprises a detectable moiety, and wherein the detection of the presence of at least one bound analyte in immobilized immunoreaction complexes at the test site in step (d) is by detecting labeling immunoreaction components bound to the analyte.

83. (Withdrawn) The method of claim 82 wherein at least one of the labeling immunoreaction components comprises a moiety selected from the group consisting of: immunoglobulins, recombinant immunoglobulins, single-stranded engineered immunoglobulins humanized immunoglobulins, hybridized immunoglobulins, immunoglobulin derivatives, and immunoglobulin fragments.

84. (Withdrawn) The method of claim 82 wherein at least one of the labeling immunoreaction components comprises a moiety selected from the group consisting of biotin, avidin, and streptavidin.

85. (Withdrawn) The method of claim 82 wherein at least one of the labeling immunoreaction components comprises a detectable moiety selected from the group consisting of fluorophores, chromophores, biotin, avidin, streptavidin, chemiluminescent agents, enzymes, gold particles, magnetic beads, metal chelates, radioisotopes, other antibodies, and nanoparticles.

86. (Withdrawn) The method of claim 82 wherein at least one of the labeling immunoreaction components comprises a fluorophore selected from the group consisting of: $BODIPY_{630/650}$ X-SE, Texas Red X-SE, or BODIPY TRX-SE, Cy-dyes, fluorescein, rhodamine, phycoerythrin, Lissamine, and coumarin.

87. (Withdrawn) The method of claim 82 wherein at least one of the labeling immunoreaction components binds to more than one analyte in the sample.

88. (Withdrawn) The method of claim 82 wherein at least one of the labeling immunoreaction components is a dye with an affinity for one or more analytes greater than its affinity for any other component of the immunoreaction complex or the permeation layer of the active electronic matrix.

89. (Withdrawn) The method of claim 82 wherein at least one of the labeling immunoreaction components is contacted with the sample prior to the incubation of the sample with the active electronic matrix array in step (c).

90. (Withdrawn) The method of claim 82 wherein at least one of the labeling immunoreaction components is contacted with the sample during the incubation of the sample with the active electronic matrix array in step (c).

91. (Withdrawn) The method of claim 82 wherein at least one of the labeling immunoreaction components is contacted with the immobilized immunoreaction complexes produced in step (c).

92. (Withdrawn) The method of claim 43 further comprising electronically biasing one or more sites containing immobilized immunoreaction complexes while contacting the at least one labeling immunoreaction component with the immobilized immunoreaction complexes.

93. (Withdrawn) A method for performing multiple immunological reactions on a active electronic matrix array device comprising the steps of:

a) providing a plurality of microelectronic sites, each site having a complementary pairing component member couple thereto, the complementary pairing component members varying from site to site,

b) providing a plurality of different types of antibodies, each type of antibody being labeled with a different pairing component member, the different pairing

components being complementary to the pairing components coupled to the microelectronic sites,

c) providing at least one antigen in a sample,

d) contacting the sample and the plurality of labeled, different types of antibodies with the pairing components at the microelectronic sites,

e) interacting the antibody-bound pairing component member and the test-site bound complementary pairing component member, and

f) determining the sites at which an antibody coupled to the antigen coupled to the complementary pairing component is present.

94. (Withdrawn) The method of claim 93 wherein the antigen and plurality of labeled, different types of antibodies are provided together in a homogeneous format.

95. (Withdrawn) The method of claim 93 wherein the pairing component members and their corresponding complement pairing component members are p-RNA.

96. (Currently Amended) A ~~composition of matter for use in detecting a set of one or more analytes~~ complex comprising:

an array of microlocations; ~~and~~

~~a set of binding immunoreaction component-pairing component complexes (I_1C_B-P_1, . . ., I_nC_B-P_x) coupled to the array.~~:

a pairing component comprising a p-RNA, wherein the pairing component is coupled to at least one of the microlocations;

a complementary pairing component adapted to hybridize to the pairing component; and

an immunoreaction binding component coupled to the complementary pairing component.

97. (Withdrawn) The composition of matter of claim 96 wherein at least one of the binding immunoreaction components in the complexes of the set is an epitope bearing moiety.

98. (Currently Amended) The ~~composition of matter~~ complex of claim 96 wherein ~~at least one of~~ the ~~binding~~ immunoreaction binding component is ~~components in the complexes of the set is a moiety~~ selected from the group consisting of immunoglobulins, recombinant immunoglobulins, single-stranded engineered immunoglobulins humanized immunoglobulins, hybridized immunoglobulins, immunoglobulin derivatives, and immunoglobulin fragments.

99. (Canceled)

100. (Withdrawn) The composition of matter of claim 96 wherein the pairing component portions of the complexes are CNA.

101. (Withdrawn) The composition of matter of claim 96 wherein the pairing component portions of the complexes are DNA.

102. (Withdrawn) The composition of matter of claim 96 wherein the pairing component portions of the complexes are RNA.

103. (Currently Amended) The ~~composition of matter~~ complex of claim 96 wherein ~~at least one binding~~ the immunoreaction binding component is ~~attached~~ coupled to ~~it's~~ the pairing component ~~member~~ through a covalent bond.

104. (Currently Amended) The ~~composition of matter~~ complex of claim 96 wherein ~~at least one binding~~ the immunoreaction binding component is ~~attached~~ coupled to ~~it's~~ the pairing

component ~~member~~ through a non-covalent interaction.

105. (Currently Amended) The ~~composition of matter~~ complex of claim 104 wherein the non-covalent interaction is selected from the group consisting of a biotin-streptavidin interaction and a biotin-avidin interaction.

106. (Currently Amended) The ~~composition of matter~~ complex of claim 96, wherein~~,~~ the array is an active electronic matrix device.

107. (Currently Amended) The ~~composition of matter~~ complex of claim 106, wherein the complementary pairing component ~~members are~~ comprises a p-RNA.

108. (Withdrawn) The composition of matter of claim 106, wherein the complementary pairing component members are CNA.

109. (Withdrawn) The composition of matter of claim 106, wherein the complementary pairing component members are DNA.

110. (Withdrawn) The composition of matter of claim 106, wherein the complementary pairing component members are RNA.

111. (Currently Amended) The ~~composition of matter~~ complex of claim 96 further comprising ~~at least one~~ a labeled analyte ~~standard~~ which is bound by ~~at least one of the binding~~ the immunoreaction binding component. ~~component pairing component complexes in the set.~~

112. (Canceled) ~~The composition of matter of claim 96 further comprising at least one labeling immunoreaction component which binds to at least one of the analytes to be detected.~~

113. (New) The complex of claim 96, further comprising an analyte which is bound by the immunoreaction binding component.

114. (New) The complex of claim 113, further comprising a labeled immunoreaction component that binds to the analyte.

115. (New) An array comprising:

a first microlocation having a first pairing component comprising a p-RNA, the first pairing component adapted to hybridize to a first complementary pairing component, the first complementary pairing component coupled to a first immunoreaction binding component; and

a second microlocation having a second pairing component comprising a p-RNA, the second pairing component adapted to hybridize to a second complementary pairing component, the second complementary pairing component coupled to a second immunoreaction binding component.

116. (New) The array of claim 115, wherein the first pairing component and the second pairing component are different.